

STRUCTURE OF CONNECTOR

ABSTRACT OF THE DISCLOSURE

A connector includes a housing forming at least one receptacle and a terminal received in each receptacle. The housing has upper and lower faces in which opposite slots are defined. Through holes are defined in the slots and extending to the receptacle. The terminal has an engagement section, a retention section extending from the engagement section, an extension section extending from the retention section and opposite to the engagement section and a wire engaging section projecting from the extension section. The engagement section includes a plurality of circumferentially spaced resilient leaves forming a cylinder axially aligned with the holes defined in the upper and lower faces of the housing. Thus, when a pin of a mating connector is fit into the cylinder of the engagement section through either one of the holes of the housing, the pin is completely surrounded by the leaves and a large contact area is formed between the pin and the engagement section. Due to the resiliency of the leaves, only a low insertion force is needed in completing insertion of the pin into the engagement section. Firm engagement, low impedance and low noise, as well as reduced heat generation, can be realized between the pin and the engagement section.